

SM3H 8.3 odd answers

1. $\frac{13\pi}{12}$

3. $\frac{\pi}{3}$

5. $210^\circ - 45^\circ, 120^\circ + 45^\circ, 135^\circ + 30^\circ$

7. $\frac{2\pi}{3} - \frac{\pi}{4}$ or $\frac{\pi}{6} + \frac{\pi}{4}$

9. $\frac{\sqrt{6}+\sqrt{2}}{4}$

11. $\frac{-\sqrt{6}-\sqrt{2}}{4}$

13. $2 - \sqrt{3}$

15. $\frac{-\sqrt{6}+\sqrt{2}}{4}$

17. $\frac{\sqrt{6}-\sqrt{2}}{4}$

19. $-2 - \sqrt{3}$

21. $-\sin 5^\circ$

23. $\cos\left(\frac{3\pi}{10}\right)$

25. $\tan\left(\frac{2\pi}{15}\right)$

27. Show work!

a) $\frac{-63}{65}$ b) $\frac{-33}{65}$ c) $\frac{16}{65}$ d) $\frac{56}{65}$ e) $\frac{-16}{63}$ f) $\frac{-56}{33}$

29. $\cot \alpha$

31. $\sin \alpha$

33-35 work is answer

37. show work $\cos^2 x$